

28. A method for reducing serum triglycerides comprising administering to a subject in need thereof, an effective amount of the composition of Claim 11.

29. A method for treating hypertriglyceridaemia comprising administering to a subject in need thereof, an effective amount of the composition of Claim 11.

30. A method for treating hypercholesterolaemia comprising administering to a subject in need thereof, an effective amount of the composition of Claim 11.--

REMARKS


Claims 11-30 are pending. The specification has been amended to correct minor typographical errors, e.g. the word "*Garcinia cambodia*" has been corrected to "*Garcinia cambogia*" and "propionyl" has been corrected to "propionyl". Applicants submit that these corrections would be evident to those with skill in the art, and specific support for these changes is found on pages 7-12 of the specification. The third entry in Table I, which describes food consumption in rats treated with L-carnitine, has been changed from "181.1" to "18.1" in order to correct a typographical error inserting the extra numeral "1" into this value. Support for the lower value is found in the description of the food consumption results at pages 8-9 of the specification, which indicates that "no changes compared to controls were noted . . . in rats treated with L-carnitine".

While Claims 11-30 do not narrow the subject matter claimed in original Claims 1-10, they generally track and find support therein. Page 3 describes the various salts of L-carnitine or alkanoyl L-carnitine recited in Claim 15. The bottom of page 14 of the specification describes compositions comprising chromium as recited by Claim 22. Support for the methods of Claims 25-30 is found throughout the specification, and specifically in Tables 1-5 on pages 16-20 of the specification and in original Claim 10. Accordingly, the

Applicants do not believe that any new matter has been introduced. Applicants respectfully submit that Claims 11-30 are now ready for early examination on the merits.

Respectfully submitted,

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IN THE SPECIFICATION

On page 2 of the specification, substitute the paragraph below for the paragraph on original lines 10 through 17.

--Hydroxycitric acid and derivatives thereof may occur as extracts of natural products containing hydroxycitric acid at high concentrations, such as the extract of the fruits of Garcinia (Garcinia [cambodia] cambogia, Garcinia atroviridis, Garcinia indica, Garcinia citrin), of the fruits of Malabar Tamarind or Gorikapuli (Lewis Y. L., Neelakantan S., Phyto-chemistry 4, 619, 1965), (Streenivasan A., Vankataraman R., Current Science 4, 151, 1959) or other extract of natural products containing same.--

On page 13 of the specification, substitute the number 7 entry below for the number 7 entry on original lines 22 through 23.

--7) L-carnitinemg 500

Garcinia [cambodia] cambogia extract mg 500--.

On page 14 of the specification, substitute the numbers 8, 9, 10, 11 and 12 entries below for the numbers 8, 9, 10, 11 and 12 entries on original lines 2 through 15.

--8) Acetyl L-carnitinemg 500

Garcinia [cambodia] cambogia extract mg 500

(30% hydroxycitric acid)

9) Propionyl L-carnitinemg 500

Garcinia [cambodia] cambogia extract mg 500

(30% hydroxycitric acid)

10) Isovaleryl L-carnitinemg 500

Garcinia [cambodia] cambogia extract mg 500

(30% hydroxycitric acid)

11) Valeryl L-carnitinemg 500

Garcinia [cambodia] cambogia extract mg 500

(30% hydroxycitric acid)

12) Butyryl L-carnitinemg 500

Garcinia [cambodia] cambogia extract mg 500--.

Replace all the text (paragraphs) on pages 16-20, with the text (paragraphs) on substitute pages 16-20 attached below:

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TABLE I**MEAN DAILY FOOD CONSUMPTION (g) PER ANIMAL**

	Before treatment	After 15 days
Calcium hydroxycitrate (g 1/100 g diet)	19.2 ± 0.65	17.1 ± 0.35
Calcium hydroxycitrate (g 2/100 g diet)	18.8 ± 0.44	15.1 ± 0.46
L-carnitine (g 2/100 g diet)	17.3 ± 0.35	[181.1] <u>18.1</u> ± 0.50
L-carnitine (g 4/100 g diet)	18.4 ± 0.61	17.8 ± 0.41
Acetyl L-carnitine (g 2/100 g diet)	18.6 ± 0.39	17.1 ± 0.33
Acetyl L-carnitine (g 4/100 g diet)	18.2 ± 0.41	18.8 ± 0.57
Propionyl L-carnitine (g 2/100 g diet)	17.7 ± 0.56	17.1 ± 0.38
[Poprionyl] <u>Propionyl</u> L-carnitine (g 4/100 g diet)	18.2 ± 0.44	18.5 ± 0.48
Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	17.9 ± 0.34	16.8 ± 0.44
Calcium hydroxycitrate (g 1/100 g diet) + L-carnitine (g 2/100 g diet)	18.9 ± 0.61	14.4 ± 0.50
Calcium hydroxycitrate (g 1/100 g diet) + Acetyl L-carnitine (g 2/100 g diet)	19.1 ± 0.58	14.8 ± 0.64
Calcium hydroxycitrate (g 1/100 g diet) + Propionyl L-carnitine (g 2/100 g diet)	18.4 ± 0.49	13.2 ± 0.53
L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	18.1 ± 4.7	15.9 ± 4.1
Acetyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	18.8 ± 3.9	16.2 ± 4.9
Propionyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	18.1 ± 4.8	14.4 ± 4.7

TABLE 2**BODY WEIGHT INCREASE AFTER 15 DAY-TREATMENT**

	Final body weight increase (g)
Controls	62.8 ± 3.5
Calcium hydroxycitrate (g 1/100 g diet)	46.6 ± 4.1
Calcium hydroxycitrate (g 2/100 g diet)	38.9 ± 3.8
L-carnitine (g 2/100 g diet)	66.2 ± 4.9
L-carnitine (g 4/100 g diet)	64.5 ± 5.1
Acetyl L-carnitine (g 2/100 g diet)	60.4 ± 7.1
Acetyl L-carnitine (g 4/100 g diet)	60.1 ± 6.1
Propionyl L-carnitine (g 2/100 g diet)	62.4 ± 3.9
[Propionyl] <u>Propionyl</u> L-carnitine (g 4/100 g diet)	58.7 ± 3.7
Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	51.4 ± 3.3
Calcium hydroxycitrate (g 1/100 g diet) + L-carnitine (g 2/100 g diet)	28.7 ± 4.4
Calcium hydroxycitrate (g 1/100 g diet) + Acetyl L-carnitine (g 2/100 g diet)	31.6 ± 3.9
Calcium hydroxycitrate (g 1/100 g diet) + Propionyl L-carnitine (g 2/100 g diet)	24.4 ± 2.8
L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	38.6 ± 3.1
Acetyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	36.8 ± 4.4
Propionyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	34.8 ± 6.5

TABLE 3**SERUM TRIGLYCERIDES AND EPIDIDIMAL FAT AFTER 15 DAY-TREATMENT**

	Triglycerides (mg/100 ml)	Epididimal fat (g)
Controls	94.68 ± 6.6	4.65 ± 0.41
Calcium hydroxycitrate (g 1/100 g diet)	76.84 ± 6.9	3.91 ± 0.36
Calcium hydroxycitrate (g 2/100 g diet)	73.66 ± 7.1	3.32 ± 0.9
L-carnitine (g 2/100 g diet)	92.55 ± 7.7	4.21 ± 4.1
L-carnitine (g 4/100 g diet)	90.44 ± 6.8	4.34 ± 2.9
Acetyl L-carnitine (g 2/100 g diet)	95.81 ± 8.2	4.10 ± 3.8
Acetyl L-carnitine (g 4/100 g diet)	90.8 ± 7.5	4.15 ± 3.5
Propionyl L-carnitine (g 2/100 g diet)	88.4 ± 8.16	4.19 ± 4.4
[Propionyl] Propionyl L-carnitine (g 4/100 g diet)	82.7 ± 6.6	4.0 ± 5.6
Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	80.4 ± 7.3	3.85 ± 3.5
Calcium hydroxycitrate (g 1/100 g diet) + L-carnitine (g 2/100 g diet)	71.5 ± 6.7	3.25 ± 2.9
Calcium hydroxycitrate (g 1/100 g diet) + Acetyl L-carnitine (g 2/100 g diet)	68.2 ± 5.5	3.0 ± 2.7
Calcium hydroxycitrate (g 1/100 g diet) + Propionyl L-carnitine (g 2/100 g diet)	60.5 ± 7.4	2.25 ± 2.2
L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	75.4 ± 3.1	3.50 ± 3.1
Acetyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	72.3 ± 4.4	3.25 ± 4.3
Propionyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	70.3 ± 5.6	2.95 ± 3.8

TABLE 4

TEST ON EXPERIMENTALLY-INDUCED HYPERTRIGYCERIDAEMIA
(mg/100 ml)

Controls	195.8 ± 9.8
Calcium hydroxycitrate (g 0.5/Kg)	170.6 ± 8.5
Calcium hydroxycitrate (g 1/Kg)	145.5 ± 8.5
L-carnitine (g 0.5/Kg)	190.4 ± 9.6
L-carnitine (g 1/Kg)	190.8 ± 8.6
Acetyl L-carnitine (g 0.5/Kg)	191.2 ± 9.1
Acetyl L-carnitine (g 1/Kg)	188.4 ± 5.5
Propionyl L-carnitine (g 0.5/Kg)	184.2 ± 6.8
[Propionyl] <u>Propionyl</u> L-carnitine (g 1/Kg)	180.4 ± 7.9
Garcinia [cambodia] <u>cambogia</u> (g 0.5/Kg)	170.6 ± 5.4
Calcium hydroxycitrate (g 0.5/Kg) + L-carnitine (g 0.5/Kg)	125.8 ± 9.1
Calcium hydroxycitrate (g 0.5/Kg) + Acetyl L-carnitine (g 0.5/Kg)	120.4 ± 8.8
Calcium hydroxycitrate (g 0.5/Kg) + Propionyl L-carnitine (g 0.5/Kg)	108 ± 9.4
L-carnitine (g 0.5/Kg) + Garcinia [cambodia] <u>cambogia</u> (g 0.5/Kg)	145.4 ± 8.6
Acetyl L-carnitine (g 0.5/Kg) + Garcinia [cambodia] <u>cambogia</u> (g 0.5/Kg)	140.4 ± 7.4
Propionyl L-carnitine (g 0.5/Kg) + Garcinia [cambodia] <u>cambogia</u> (g 0.5/Kg)	125 ± 8.5

TABLE 5

**TESTS ON EXPERIMENTALLY-INDUCED HYPERCHOLESTEROLEMIA
(TOTAL CHOLESTEROL mg/dl)**

Controls	92.5 ± 4.4
Hypercholesterolemic controls	270.5 ± 10.4
Calcium hydroxycitrate (g 1/100 g diet)	196.6 ± 9.6
Calcium hydroxycitrate (g 2/100 g diet)	180.5 ± 8.1
L-carnitine (g 2/100 g diet)	270.4 ± 5.1
L-carnitine (g 4/100 g diet)	260.6 ± 4.4
Acetyl L-carnitine (g 2/100 g diet)	266.7 ± 7.7
Acetyl L-carnitine (g 4/100 g diet)	255.4 ± 9.4
Propionyl L-carnitine (g 2/100 g diet)	250.6 ± 10.1
[Propionyl] <u>Propionyl</u> L-carnitine (g 4/100 g diet)	235.3 ± 9.6
Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	250.7 ± 4.7
Calcium hydroxycitrate (g 1/100 g diet) + L-carnitine (g 2/100 g diet)	155.8 ± 8.8
Calcium hydroxycitrate (g 1/100 g diet) + Acetyl L-carnitine (g 2/100 g diet)	150.5 ± 7.1
Calcium hydroxycitrate (g 1/100 g diet) + Propionyl L-carnitine (g 2/100 g diet)	110.6 ± 6.6
L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	179.6 ± 9.6
Acetyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	165.9 ± 8.9
Propionyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	55.5 ± 6.8